

CLAIMS:

Please cancel claims 1-6.

7. (Currently amended) A method of detecting and identifying an microarray of markers indicative of disease stage, said method comprising the steps of:

differentially biopanning sera obtained from a normal individual and patients with the disease against phage display libraries expressing cDNA of genes expressed by diseased cells to obtain epitope-bearing clones displaying higher or lower reactivity to antibodies present in sera of patients with disease but not in sera of normal individuals to array for analysis; and

simultaneously identifying the epitope bearing clones that are specific to the disease stage by classifying the all epitope bearing clones ~~based upon~~ having reactivity with serum antibodies to determine the markers to be included in the microarray ~~based upon antibody reactivity values of the clones~~, thereby detecting an array of markers of disease.

8. (Previously presented) The method according to claim 7, wherein said analyzing step includes using a computer to automatically identify the epitope bearing clones that are present only in the disease stage.

Please cancel claims 9-19.